

ABSTRACT

A cam structure is equipped with a first cam that displaces a first follower section in a radial direction, a second follower section that rotates with the first cam and has at least three support pins, and a second cam that displaces the second follower section in an axial direction. The first cam is formed from divided segments defining at least three arcuate surfaces with different radiuses and sloped connection surfaces that connect the arcuate surfaces and are provided in ranges that give appropriate pressure angles with respect to the first follower section, and the second cam is provided with cam sections, each of the cam sections being divided in the radial direction in the number corresponding to the number of the support pins. The divided cam sections of the second cam are disposed at positions arranged in a circumferential direction in a manner that displacements in the axial direction of the second follower section are timed with displacements in the radial direction of the first follower section.